

Claims

1. Sealing jaw for manufacturing a sealing seam (19) in a heat-sealable material of a package with a sealing surface that is provided for coming into contact with the heat-sealable material, and a rod or bar-shaped heating device that is provided for heating the heat-sealable material, characterised in that a pressure element (23) is provided on the sealing surface, projecting above the sealing surface and at a distance from the heating device (22).
2. Sealing jaw according to claim 1, characterised in that the pressure element (23) is rod or bar-shaped and extends substantially parallel to the heating device (22).
3. Sealing jaw according to claim 1 or 2, characterised in that the heating device (22) and the pressure element (23) are distanced apart from one another by at least 0.1 mm, preferably between 0.25 mm and 3 mm, particularly preferably between 0.5 mm and 1.5 mm.
4. Sealing jaw according to one of claims 1 to 3, characterised in that the heating device (22) is provided with an inductor and the pressure element (23) is composed of a non-conductive material.
5. Sealing jaw according to one of claims 1 to 4, characterised in that the pressure element (23) is composed of a ceramic material or of a thermoplastic material, preferably of PEEK.
6. Sealing jaw according to one of claims 1 to 5, characterised in that the pressure element (23) has a length between 2 and 30 mm, preferably between 4 and 15 mm, particularly preferably between 7 and 9 mm.
7. Sealing jaw according to one of claims 1 to 6, characterised in that two pressure elements (23) are provided.
8. Sealing jaw according to one of claims 1 to 7, characterised in that two rod or bar-shaped heating devices are provided.
9. Sealing jaw according to claim 7, characterised in that a cutting or separating device or an aperture for a cutting or separating device is provided between the two heating devices.

- 12 -

10. Sealing jaw according to claim 8 or 9, characterised in that each heating device is allocated at least one pressure element (23), preferably two pressure elements (23).
11. Sealing jaw according to one of claims 1 to 10, characterised in that the ratio of the length of the heating device to the length of the pressure element (23) is between 5:1 and 25:1, preferably between 10:1 and 20:1, particularly preferably approximately 15:1.
12. Sealing jaw according to one of claims 4 to 11, characterised in that the heating device is surrounded in a section by a layer of a non-magnetic material (24, 25) and the pressure element (23) is arranged in this section.
13. Sealing jaw according to claim 12, characterised in that the insert is composed of a non-conductive material, preferably of Ferrotron (24, 25).
14. Sealing jaw according to one of claims 1 to 13, characterised in that the pressure element (23) can be displaced in the longitudinal direction of the sealing jaw.
15. Induction sealing device for heat sealing packaging material, with a sealing jaw according to one of claims 4 to 14 that is provided to produce a sealing seam by pressing and heating heat-sealable packaging material between the sealing jaw and a counter jaw.
16. Packaging machine in which flowable material is infilled into a tube (1) formed from a material web of packaging material provided with fold lines (12, 13), the tube (1) is provided with a right-angle sealing seam (19) in a sealing unit, and the tube is detached in the area of the right-angle sealing seam (19), characterised in that the sealing unit is provided with a sealing jaw according to one of claims 1 to 14.